

M 5.8, 9 km SSW of Tungao, Philippines

Origin Time: 2024-02-10 03:22:03 UTC (Sat 11:22:03 local)
Location: 8.6991° N 125.5444° E Depth: 10.0 km

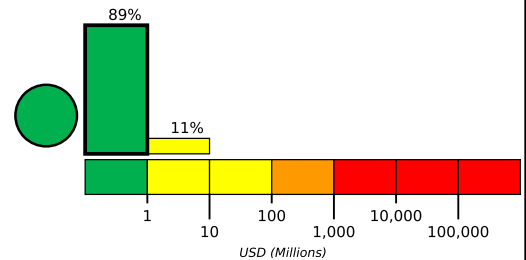
PAGER Version 4

Created: 1 day, 0 hours after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

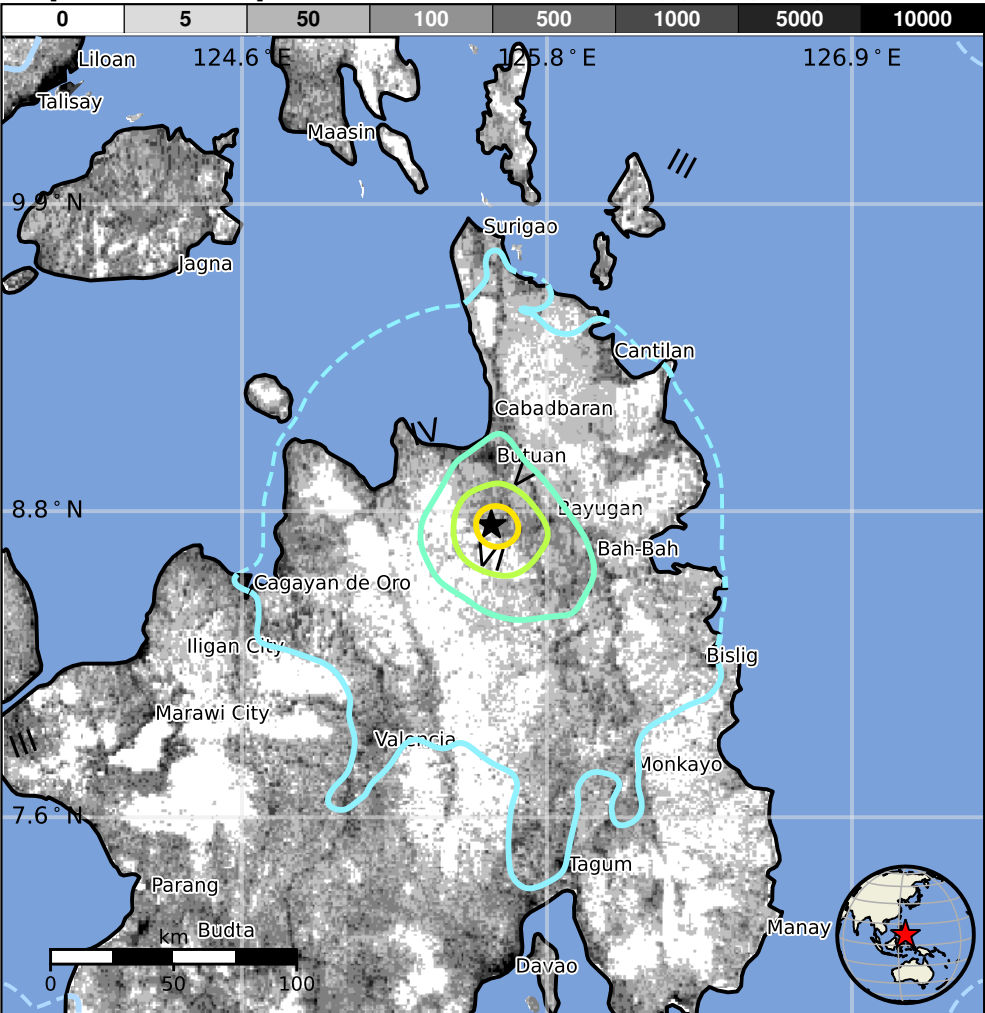


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	15,592k*	5,441k	643k	130k	61k	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are unknown/miscellaneous types and heavy wood frame construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1987-05-23	75	5.7	VII(70k)	1
1990-02-08	155	6.7	VIII(96k)	1
2002-03-05	332	7.5	VIII(12k)	15

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
VII	Esperanza	6k
VI	Tungao	9k
VI	Salvacion	5k
VI	Maygatasan	4k
VI	Guadalupe	3k
V	Sibagat	5k
V	Butuan	310k
IV	Cagayan de Oro	445k
III	Davao	1,213k
III	Cotabato	179k
III	Cebu City	799k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
<https://earthquake.usgs.gov/earthquakes/eventpage/us7000ly6w#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000ly6w